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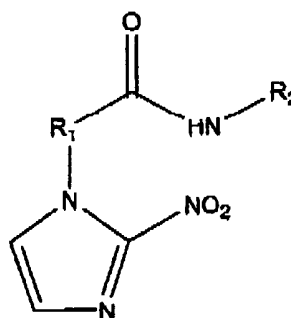
PATENT
REPLY FILED UNDER EXPEDITED
PROCEDURE PURSUANT TO
37 CFR § 1.116

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-19. (Cancelled)

20. (Currently Amended) A method for detecting tissue hypoxia in a mammal comprising: administering to the mammal a compound having the formula:



wherein R₁ is CH₂; and R₂ is an alkyl group ~~has~~ having the formula CH₂CX₂Y CH₂CX₂CHX₂, wherein X is halogen or hydrogen, Y is CHF₂ or CH₂F, ~~wherein and~~ at least 1 carbon atom of said alkyl group is bound with at least one ¹⁸F; and imaging the portion of the mammal containing the tissue.

21. (Previously Presented) The method of claim 20 wherein the detection technique is PET.

22. (Previously Presented) The method of claim 20 wherein R₂ is CH₂CH₂CH₂¹⁸F and the detection technique is PET.

23-26. (Cancelled)

27. (Previously Presented) The method of claim 20 wherein the halogen is fluorine.

28. (Previously Presented) The method of claim 20 wherein R₂ is CH₂CF₂CH₂¹⁸F.

29. (Previously Presented) The method of claim 20 wherein R₂ is CH₂CF₂CH¹⁸F₂.

30. (Previously Presented) The method of claim 20 wherein R₂ is CH₂CHFCH₂¹⁸F.

31. (Previously Presented) The method of claim 20 wherein R₂ is CH₂CHFCH¹⁸F₂.

32. (Previously Presented) The method of claim 20 wherein R₂ is CH₂CH₂CH¹⁸F₂.